

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/006368

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 A01N43/90 C07D487/04 C07D213/61 C07D213/55  
 //((C07D487/04,249:00,239:00))

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A01N C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data, BEILSTEIN Data, BIOSIS, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/011467 A (HOKKO CHEM IND CO ; MURAKAMI HIDEYUKI (JP); WAKABAYASHI HITOSHI (JP)); 5 February 2004 (2004-02-05) Schema 1 und 2 page 37 - page 40; claim 7; tables 23-25	1-8
X	WO 02/02563 A (AMERICAN HOME PROD) 10 January 2002 (2002-01-10) cited in the application page 73, line 9 - line 11; claim 2	1-8
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 02, 5 February 2003 (2003-02-05) & JP 2002 308878 A (NIPPON SODA CO LTD), 23 October 2002 (2002-10-23) abstract	1-8
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

5 August 2005

Date of mailing of the international search report

10 08. 2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/50077 A (HENRICH MARIELOUISE ; MAULER-MACHNIK ASTRID (DE); HILGERS PETRA (DE);) 27 June 2002 (2002-06-27) example 1; table 1 -----	1
A	YASUO MAKISUMI: "SYNTHESIS OF POTENTIAL ANTICANCER AGENTS VI. REACTIVITY OF 6-BROMO-S-TRIAZOLO 2,3-APYRIMIDINES" CHEMICAL AND PHARMACEUTICAL BULLETIN, TOKYO, JP, vol. 9, 1961, pages 814-817, XP001040489 ISSN: 0009-2363 examples VII,VIII -----	1

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 6 and 7 relate to methods which, according to page 33 of the description, can also be used to treat of the human body, the search was carried out and was based on the stated effects of the compound.
2.  Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

### SEE SUPPLEMENTAL SHEET

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-4, 5-8

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

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Continuation of Box II.1

Although claims 6 and 7 relate to methods which, according to page 33 of the description, can also be used to treat of the human body, the search was carried out and was based on the stated effects of the compound.

Continuation of Box III

The International Searching Authority has found that the international application contains multiple (groups of) inventions, as follows:

1. Claims 1-4 and 5-8

Triazolopyrimidines, the preparation thereof from intermediate products of formula (II), and their use for controlling microorganisms.

2. Claims 9 and 10

Intermediate products of formula (II) and the preparation thereof.

3. Claims 11 and 12

Intermediate products of formula (VI) and the preparation thereof.

4. Claims 13 and 14

Intermediate products of formula (VII-a) and the preparation thereof.

5. Claims 15 and 16

Intermediate products of formula (VII-b) and the preparation thereof.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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			WO	0202563 A2		10-01-2002
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			AU	3167602 A		01-07-2002
			WO	0250077 A2		27-06-2002
			EP	1349859 A2		08-10-2003
			JP	2004516296 T		03-06-2004
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